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MARCH 1971

# RICE Situation

U. S. DEPT. OF AGRICULTURE  
ECONOMIC RESEARCH SERVICE

MAY 27 1971

CURRENT CROPAL RECORDS



Table 1.--Rice, rough equivalent: Supply, distribution and prices,  
United States, average 1961-65, annual 1966-70 1/

Item	Year beginning August					
	1961-65:	1966	1967	1968	1969	1970
	average:				2/	2/
	- - - - Million cwt. - - - -					
<u>Supply</u>						
Carryover August 1	7.7	8.2	8.5	6.8	16.2	16.4
Production	68.0	85.1	89.4	104.1	90.9	82.9
Imports	.3	3/	3/	3/	.2	.5
Total supply	76.0	93.3	97.9	110.9	107.3	99.8
<u>Domestic disappearance</u>						
Food 4/	22.8	23.9	25.0	27.0	25.5	26.0
Seed	2.5	2.7	3.2	2.9	2.5	2.5
Used by brewers	4.3	5.3	5.4	5.8	7.1	6.5
Total	29.6	31.9	33.6	35.7	35.1	35.0
<u>Available for export and carryover</u>	46.4	61.4	64.3	75.2	72.2	64.8
<u>Total exports</u>	38.5	51.6	56.9	5/56.2	54.9	
For dollars	(21.4)	(29.6)	(34.7)	(25.7)	(24.2)	
Total disappearance	68.1	83.5	90.5	91.9	90.0	
<u>Carryover July 31</u>	7.3	8.5	6.8	16.2	16.4	
Privately owned--"Free"	(6.2)	(8.3)	(6.7)	(9.9)	(10.0)	
Total distribution	75.4	92.0	97.3	108.1	106.4	
<u>Difference unaccounted 6/</u>	+6	+1.3	+6	+2.8	+9	
	- - - - Dollars per cwt. - - - -					
<u>Price Support</u>						
National average loan rate	4.67	4.50	4.55	4.60	4.72	4.86
<u>Price Received by farmers</u>						
Season average	5.00	4.95	4.97	5.00	4.95	5.08
<u>Farm price above support</u>	.33	.45	.42	.40	.23	.22

1/ Data apply to only major rice-producing States. Milled rice converted to rough basis at annual extraction rate. 2/ Preliminary. 3/ Less than 50,000 cwt. 4/ Includes shipments to U.S. territories and rice for military food use at home and abroad. 5/ Exports adjusted on basis of bills of lading presented to the U.S.D.A. for payment. 6/ Results from loss, waste, the variation in conversion factors, the lack of data on other uses and the different crop years for the two rice areas.

# RICE SITUATION

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The *Rice Situation* is published in March, and September.

## SUMMARY

Larger world rice supplies and a weakening import demand may result in a reduction in U.S. exports during 1970/71. Dollar exports are lagging behind the year-earlier pace, and the level of government assisted exports for the year will hinge on several presently uncompleted food aid shipments.

Domestic use, moving steadily upwards in recent years, had a reversal in 1969/70 and may be no higher in 1970/71. Food use, off in 1969/70, probably will resume the general uptrend. But brewers' use of rice may not reach last season's unusually high level. With the acreage allotment unchanged from 1970, seed use will likely be about the same.

With the 1970 crop about equal to the current season's estimated disappearance, stocks next August 1 may be little different from the 16.4 million cwt. of last August. This would be well above carryovers of most recent years.

Producer prices of rice so far this season have averaged well over the loan rate and substantially above year-earlier levels. Although use has been lagging, the higher price support and the improved quality of the 1970 crop have buoyed prices. The national average loan rate for the 1970 crop at \$4.86 is up 14 cents from the previous crop.

The 1971 rice program is unchanged from the basic program of recent years. The national acreage allotment at 1,836,461 is the same as in 1970. The minimum national average support rate was announced at \$4.93 per cwt., which represents 65% of the December 1970 parity. The final national average loan rate will be set at 65% of the August 1971 parity price of rice. The parity price for March was \$7.66 per cwt. which would compute to a loan of \$4.98 per cwt. At this level it would be 12 cents per cwt. over 1970. Producers approved marketing quotas for the 1971 crop by a favorable vote of nearly 94%.

Farmers intend to seed over 1.8 million acres to rice according to the March planting intentions report. Based on yield trends for recent years a crop of 85 million cwt. is likely, 2 percent above last year.

The 1970/71 world rice crop (excluding Communist Asia) is forecast at a record 197 million metric tons, up 2% from last year. An expansion in both acreage and yield in Asia, the world's rice bowl, accounts for most of the increase.

Larger exportable supplies of rice and reduced import needs will heighten competition in world trade. World rice prices have weakened and are currently running a fifth below year-earlier levels. Confronted with the record 1970/71 crop, rice prices in calendar 1971 may average at or below this past year's lower level.

## CURRENT SITUATION

### Supply Declines

The rice supply in 1970/71 totals 99.8 million cwt. (rough rice equivalent), off from the record levels of the 2 preceding years but nearly 24 million cwt. above the 1961-65 average (table 1). The carryover last August, at 16.4 million cwt. was virtually the same as in 1969 but double the 5-year average. Imports during 1970/71, although of minor significance are likely to be the largest in a number of years.

### Domestic Usage Levels Off

Total domestic use of rice has been rising due largely to increased food use. This trend was interrupted in 1969/70. And data for the current year point to a domestic demand only about the same as last season's (table 1).

Food use of rice may be up slightly while brewers' use is likely to decline. Through January it was off 5%. With the 1971 national acreage allotment remaining at the 1970 level, seed usage would be unchanged.

### Exports Slacken

Exports of rice hit record highs in 1967/68 and 1968/69 but declined somewhat last year. This year they may drop below the 54.9 million cwt. of 1969/70. World supplies of rice have increased sharply while

import requirements have declined, thus limiting world rice trade. The high level of world rice prices during the mid-1960's stimulated production in many countries. As a result, the United States is meeting competition from a number of new sources—notably South America—in addition to the traditional suppliers in Southeast Asia. The shift of Japan from a major importer to a net exporter has also been an important development.

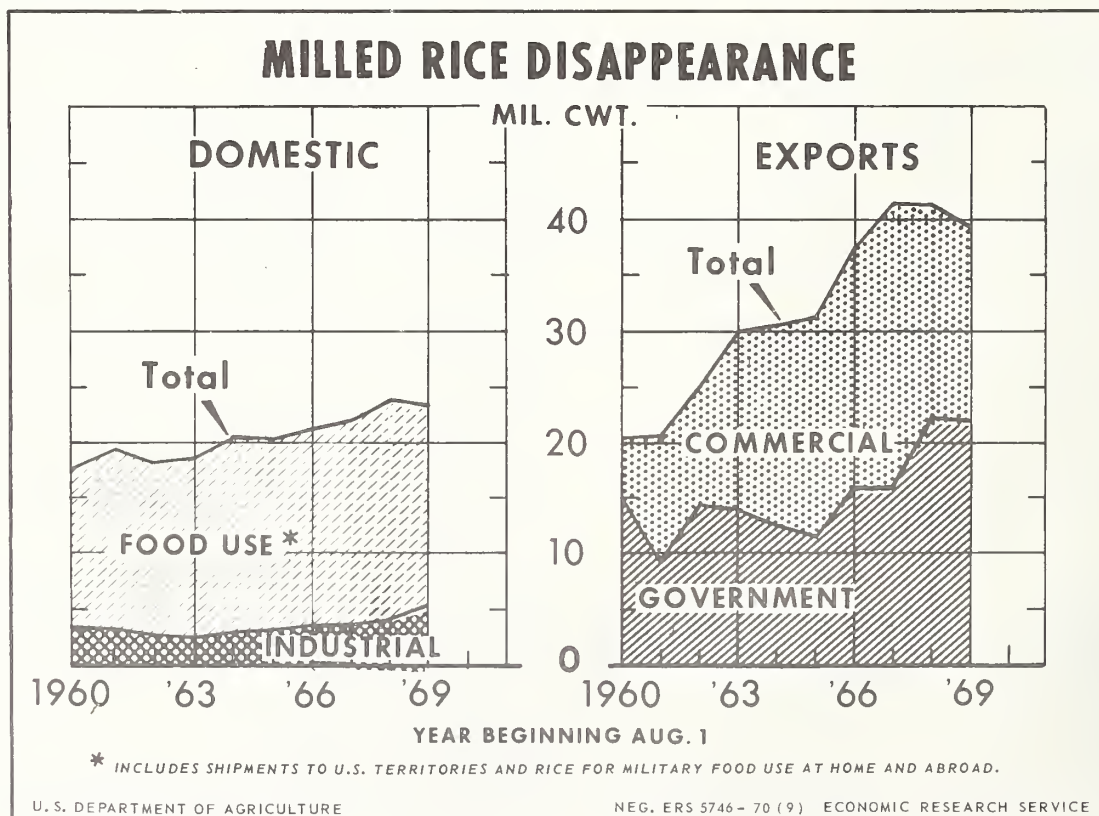
U.S. exports are running some 5 to 10% below the same period in 1969/70. A recent large sale to Korea could bolster exports, but the lateness in the year could throw some of the actual movement into the 1971/72 marketing year. Food aid transactions with Pakistan and South Vietnam if completed would add to exports. But even if exports for 1970/71 do fall 5 to 10%, they will still rank as the fourth largest of record.

Dollar exports this season are lagging. Sales to the Netherlands, West Germany and France were off sharply during August-December 1970 from those months in 1969.

Shipments to date to South Vietnam are down sharply while those to Indonesia are about unchanged. Most exports to these two countries are under government assisted programs.

### Little Change in Carryover

With total disappearance in 1970/71 approximating the 1970 crop, the carryover on August 1 may be only





slightly below the 16.4 million cwt. of last August. At this level, the carryover would be substantially larger than in most recent years but well below those of the late 1950's.

### Prices Higher

The farm price of rough rice during August-February 1970/71 averaged \$5.17 per cwt., 30 cents above the same period in 1969/70. With rice use lagging behind last year's pace, this increased price strength must be

attributed to the higher price support level prevailing in 1970/71, and the improved quality of the 1970 crop. The national average price support loan rate for 1970 crop rice is \$4.86 per cwt., up 14 cents from the previous crop. The basic support rate is applicable to No. 2 rice; for a quality crop, the price reflects the 10 cents per cwt. premium paid for No. 1.

The quantity placed under loan through February 1971 totaled 20.6 million cwt. compared with 22.7 million at the same time last season. In each case the amount under loan is 25% of the crop.

## Outlook for 1971

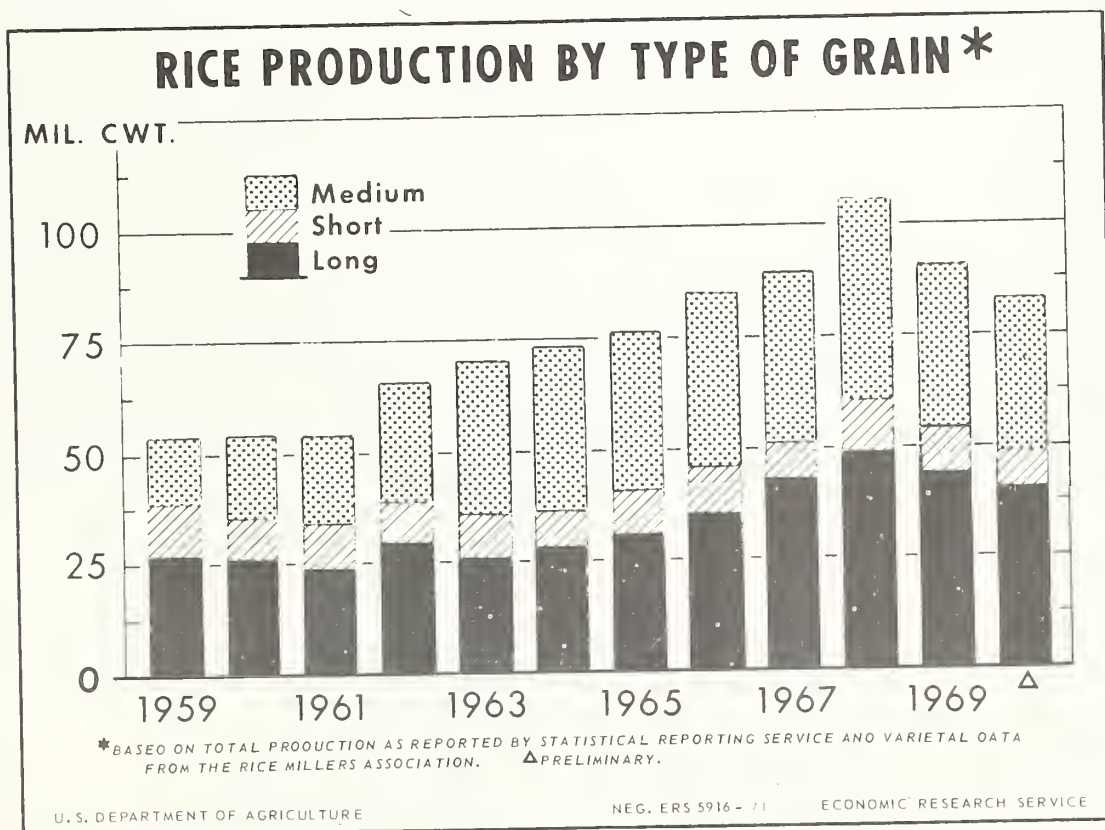
Marketing quotas were approved for the 1971 rice crop by a favorable vote of nearly 94%. For the 1970 crop, 90% of the growers approved quotas. Quotas have been proclaimed and approved every year since 1954. Approval by at least two-thirds of the growers voting in a referendum is required to put quotas into effect.

The acreage allotment for the 1971 crop is unchanged from the 1,836,461 acres of 1970. The Secretary of Agriculture is required by law to establish an allotment at a level to produce a crop—when added to the 1970/71 carryover—which will equal domestic and export use plus a 10% allowance for carryover. This has been determined to be 93.2 million cwt. When adjusted for carryover and based on the 5-year average yield this

results in the allotment of 1,836,461 acres for 1971 (table 6).

The law also requires the Secretary to proclaim quotas for a forthcoming crop year, along with a referendum, when the total supply of rice for the current marketing year exceeds the normal supply. The total supply for 1970/71 of 99.3 million cwt. exceeds the computed normal supply, 93.8 million cwt.

With the approval of quotas, the national average loan level available for 1971-crop rice will be 65% of the August 1971 parity price. The minimum national average support rate was announced at \$4.93 per cwt., which represents 65% of the December 1970 parity. Based on the March 1970 parity price, the national



average loan would compute to \$4.98 per cwt., an increase of 12 cents over the 1970 support.

When quotas are approved, the grower's output from his allotment becomes his marketing quota. Growers who exceed acreage allotments are subject to marketing quota penalties. When quotas are disapproved there are no restrictions on rice marketings. Acreage allotments remain in effect as a condition of eligibility for price support at 50% of parity.

### 1971 Crop Near Last Year

The March 1971 planting intentions indicated that rice producers expect to seed 1,824,800 acres, relatively unchanged from the year-earlier level. Based on yields for recent years, adjusted for trend, production was forecast at 85 million cwt., 2% above last year.

### Long Grain Rice Production Recovers

U.S. rice production has shown a reversal in the last 2

years. In the period from 1959 to 1968, acreage rose 48% while per acre yield climbed 32%. Since 1969 acreage has dropped around 23%. Yields trending upward in recent years were off in 1968 and 1969, but recovered in 1970.

The sharp expansion in production was led by medium grain rice, as new varieties with both high field and milling yields encouraged expansion of this type, both in the South and in California. By 1964, medium grain varieties accounted for 50% of the total production, while long grain varieties were at 38%. Production of short grain rice, mostly produced in California, remained fairly constant.

During the late 1960's introduction of improved varieties of long grain rice along with adjustments in value factors encouraged an expansion in long grain production. By 1970, medium grain production had dropped from a high of 50% down to 40%. During the same period, long grain rice increased its share to 49%.

## World Rice Situation<sup>1</sup>

### World Rice Crop Record Large

The 1970/71 world rice crop may reach a record 197 million metric tons (excluding Communist Asia). This is almost 2% above last year's harvest and the fourth consecutive increase (table 11).

This larger output can be attributed to both higher yields and expanded acreages. Asia, the world's major rice area, indicated the sharpest increase in acreage, while North America registered the most noticeable yield increase.

Asia normally accounts for well over 80% of the world's rice crop (excluding Communist Asia). This year a larger acreage coupled with slight increase in yield enabled Asia to account for most of the increase in world production.

Production in South America fell in 1970/71 as a decline in acreage more than offset higher average yields. Production was smaller in North America, principally reflecting reduced crops in Mexico and the United States. Europe, not a major rice producer, indicated a slightly larger crop despite a drop in average yields. Africa's rice production continued to edge upwards as both acreage and yield showed modest increases.

### Prospects for Major Exporters Mixed

Prospects for the world's major exporters are varied. The United States has a smaller supply and faces large world supplies, we are likely to ship 5 to 10% less rice this year than in August-July 1969/70. Larger crops in other exporting countries may result in an increase in their shipments.

Thailand's 1970 rice crop totaled 13.5 million tons, up slightly from a year ago. This could result in a somewhat larger exportable supply in calendar 1971.

Recently Thailand concluded government to government sale agreements with 3 countries: Senegal—80,000 tons, Ceylon—50,000 tons, and Mauritius—20,000 tons. Exports during 1970 were around a million tons.

Burma's 1970 rice crop could go over 8 million tons, up 4% from a year ago. Exports could approach 800,000 tons as compared with exports of only around 600,000 tons during 1970.

Taiwan harvested a bumper crop of 3.4 million tons, 13% above a year ago. This large harvest, along with sizable stocks and abundant world supplies, will further aggravate Taiwan's rice situation. Steps have been taken to shift rice acreage to other crops.

Because of severe floods in the rice growing areas of East Pakistan, the expected increase in rice output for the current year will not materialize. But production in West Pakistan, though much smaller in total, may rise. Thus, East Pakistan could sharply increase its imports from West Pakistan this season. Japan will likely be the leading foreign source of rice to East Pakistan this coming year. About 100,000 tons were imported from Japan in early 1970 and a recent agreement provided for another 200,000 tons on deferred payments in 1971. Mainland China delivered 100,000 tons of rice to East Pakistan during 1970, and the delivery of another 100,000 tons by June 1971 is possible.

Italy's 1970 rice crop was the largest in 18 years. Exports during the 1969/70 marketing year reached a record 514,000 tons, nearly 3 times those of the preceding year. Estimates for 1970/71 put exports as high as 600,000 tons.

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<sup>1</sup> Unless otherwise stated, production data are in terms of paddy rice and trade in terms of milled rice.



Mainland China's 1970 rice harvest is estimated at slightly over 95 million tons, up marginally from the 1969 crop. However, limited export markets and strong domestic demand are expected to keep exports at or below the million-ton level of recent years.

#### **Import Demand May Weaken**

With the forecast of generally good crops in many importing countries, demand is expected to continue weak, especially in the commercial markets.

India, the free world's major rice producer, boosted acreage and yields and harvested a record crop of almost 63 million tons. Yields were about 12% higher than the 1964-68 average reflecting more use of fertilizers and improved varieties and farming practices. Increased output has trimmed India's rice import needs in the last 2 years.

South Korea's 1970 rice harvest is estimated at over 5.8 million tons, continuing the recent uptrend. Rice consumption continues to expand faster than domestic production. Thus, 1971 consumption will likely exceed production and necessitate continued large imports.

A sharp increase in yield partially offset an acreage decline as Japan harvested a 1970 crop of 16.1 million tons. An acreage diversion program, instituted to limit acreage, was not completely successful. A more severe cut is planned in 1971 acreage. Japan's rice exports are likely to be up again. Japan may use large quantities of old-crop surplus rice as feed. This could total over a million tons in the year starting April 1971. Japan hopes to reduce burdensome supplies by (1) diverting acreage, (2) expanding its long-term credit export program and

(3) paying a subsidy to divert surplus rice into livestock feed.

The 1970 crop in South Vietnam is placed at 5.7 million tons, 11% larger than the previous year's harvest. This improved crop could result in imports in 1971 falling short of the 1970 level of around 600,000 tons.

Despite an expansion in acreage, Malaysia's 1970 rice crop fell short of the good 1969 harvest. Malaysia appears to be approaching its goal of self-sufficiency in rice production. Current plans call for complete self-sufficiency by 1972. The government recently announced a plan that would require importers to buy 1 1/2 tons of local rice from government stockpiles for every ton imported during 1971.

#### **World Trade Strong In 1970**

World trade in 1970 ran at a reasonably high level due to heavy import requirements of countries such as South Vietnam, South Korea, and Ceylon. Pakistan's import needs, also up, should remain large in 1971 due to unfavorable weather conditions in East Pakistan.

Demand for rice was strong early in 1970 as some traditional importers scrambled to supplement inadequate stocks. Demand slackened during the second quarter but was still well maintained during the second half of the year. As the 1970 trade year drew to a close, international rice prices lost some of their firmness.

In the face of ample world supplies, prices are running some 20% below year-earlier levels. With a record world crop and exportable supplies up in many countries, competition will again be keen. Therefore, prices in 1971 may do well to hold near this past year's lower level.

Table 2.--Rice, rough and milled: Supply and distribution, U.S.,  
average 1961-65, annual 1967-69, August-December 1969-70

Rough Rice	Year beginning August				Aug.-Dec.	
	1961-65: average	1967	1968	1969 <u>1/</u>	1969 <u>1/</u>	1970 <u>1/</u>
	- - - - 1,000 cwt. - - - -					
Beginning carryover	5,245	6,197	3,459	12,492	12,492	13,214
Farm production	67,992	89,379	104,075	90,838	90,838	82,859
Supply	73,237	95,576	107,534	103,330	103,330	96,073
Seed	2,471	3,235	2,932	2,493	---	---
Exports	124	205	2/189	193	29	6
Used by mills	65,201	88,116	89,086	86,544	37,315	36,246
Total disappearance	67,796	91,556	92,207	89,230	37,344	36,252
Ending carryover	4,873	3,459	12,492	13,214	63,708	59,267
Statistical discrepancies 3/	+568	+561	+2,835	+886	+2,278	+554
Milled Rice	Year beginning August				Aug.-Dec.	
	1961-65: average	1967	1968	1969 <u>1/</u>	1969 <u>1/</u>	1970 <u>1/</u>
	- - - - 1,000 cwt. - - - -					
Beginning carryover	1,736	1,684	2,418	2,723	2,723	2,328
Mill production	46,818	64,080	65,240	62,349	26,543	26,379
Imports	227	5	8	159	9	298
Supply	48,781	65,769	67,666	65,231	29,275	29,005
Food						
Shipments to territories	2,778	2,605	3,130	3,324	1,201	1,079
Used by military	125	148	150	255	106	106
Civilian consumption	13,494	15,431	16,448	14,872	6,452	6,009
Total Food	16,397	18,184	19,728	18,451	7,759	7,194
Used by brewers	3,105	3,952	4,215	5,089	2,083	1,981
Exports	27,534	41,215	4/41,000	39,363	16,385	15,281
Total disappearance	47,036	63,351	64,943	62,903	26,227	24,456
Ending carryover	1,745	2,418	2,723	2,328	3,048	4,549
Per capita civilian consumption (pounds)	7.2	7.8	8.3	7.4	---	---

1/ Preliminary.

2/ Rough Rice exports reported by Bureau of the Census.

3/ Results from loss, waste, the variation in conversion factors, the lack of data on other uses, and the different crop years for the two rice areas.

4/ Milled Rice exports adjusted on basis of bills of lading presented to the U.S.D.A. for payment.

Table 3.--Rice, rough equivalent: Support rates with comparisons, quantity pledged and delivered to Commodity Credit Corporation, stocks owned by CCC, and loans outstanding, 1960-70

Crop of-	Season av. price						Placed under price support		At year end July 31				
	National: per cwt. received:			by farmers 1/			Deliv- ered to CCC	Total carry- over	CCC stocks and loans			Private- ly held ("Free") stocks	
	average : support			Purchase:					outstanding				
	rate	Actual	Above	Loans	agree-	Total			Stocks	Under	Total		
	per cwt.	support:	support:	ments					owned by CCC 2/	loan 2/			
----- Dollars ----- 1,000 cwt. -----													
1960	4.42	4.55	.13	7,825	5,280	13,105	4,876	10,080	4,124	8	4,132	5,948	
1961	4.71	5.14	.43	4,292	2,081	6,373	34	5,329	314	---	314	5,015	
1962	4.71	5.04	.33	5,602	6,622	12,224	1,841	7,730	1,852	8	1,860	5,870	
1963	4.71	5.01	.30	5,884	4,139	10,023	771	7,539	1,435	---	1,435	6,104	
1964	4.71	4.90	.19	7,629	3/99	7,728	787	7,677	1,041	3	1,044	6,633	
1965	4.50	4.93	.43	9,813	184	9,997	403	8,239	614	7	621	7,618	
1966	4.50	4.95	.45	14,362	5	14,367	119	8,511	140	92	232	8,279	
1967	4.55	4.97	.42	16,352	2	16,354	39	6,784	82	4	86	6,698	
1968	4.60	5.00	.40	23,640	640	24,280	6,320	16,210	6,087	238	6,325	9,885	
1969 4/	4.72	4.95	.23	22,679	1,841	24,520	2,993	16,403	6,407	10	6,417	9,986	
1970 4/	4.86	5.08	.22	5/20,567									

1/ U.S. season average prices are the result of weighting State season averages, including allowances for unredeemed loans at the average rate, by estimated marketings.

2/ May include small quantities of new-crop rice in last few years.

3/ Beginning 1964, new concept, includes only direct purchases.

4/ Preliminary.

5/ Through February.

Table 4.--Rice: Acreage, yield and production, by States, 1969 and 1970

State	Acreage				Yield per		Production		
	Planted		Harvested		harvested				
					acre				
	1969	1970 1/	1969	1970 1/	1969	1970 1/	1969	1970 1/	
	1,000 acres				Pounds		1,000 cwt.		
Southern States:									
Missouri	5.6	4.8	5.4	4.7	4,600	4,400	248	207	
Mississippi	61	52	60	51	4,200	4,400	2,520	2,244	
Arkansas	520	442	515	438	4,750	4,800	24,463	21,024	
Louisiana	613	525	611	523	3,350	3,900	20,469	20,397	
Texas	550	469	548	467	3,950	4,450	21,646	20,782	
Total Southern	1,749.6	1,492.8	1,739.4	1,483.7	3,987	4,358	69,346	64,654	
California	391	332	389	331	5,525	5,500	21,492	18,205	
Total United States 2/	2,140.6	1,824.8	2,128.4	1,814.7	4,268	4,566	90,838	82,859	

1/ Preliminary.

2/ Total U.S. acreage and production reported by the Statistical Reporting Service. Excludes acreage and production in the minor southern States.

Table 5.--Rice: Percentage of votes in favor of rice marketing quotas, major rice-producing States and United States, 1966-71

State	1966	1967	1968	1969	1970	1971 <sup>1/</sup>
----- Percent -----						
Missouri	95.5	87.3	85.7	88.7	91.8	94.2
Mississippi	96.2	94.8	95.9	95.9	97.3	95.6
Arkansas	95.8	92.8	97.9	97.0	95.9	96.6
Louisiana	95.9	90.6	97.7	95.7	91.0	94.2
Texas	85.0	82.0	94.1	90.1	87.3	91.3
California	73.9	76.7	85.5	84.1	79.2	88.6
United States	91.9	88.0	95.6	93.4	90.4	93.8

<sup>1/</sup> Preliminary.

Table 6.--Rice: Acreage allotments, by States, 1966-71

State	Apportionment					
	1966	1967	1968	1969	1970	1971
----- Acres -----						
Southern States:						
Missouri	5,770	5,770	6,911	6,219	5,286	5,286
Mississippi	56,489	56,489	67,788	61,009	51,858	51,858
Arkansas	482,921	482,921	579,518	521,566	443,331	443,331
Louisiana	574,899	574,899	689,878	620,890	527,756	527,756
Texas	511,123	511,123	613,347	552,013	469,211	469,211
Total Southern	1,631,202	1,631,202	1,957,442	1,761,697	1,497,442	1,497,442
California	362,804	362,804	435,365	391,828	333,054	333,054
Total Major	1,994,006	1,994,006	2,392,807	2,153,525	1,830,496	1,830,496
Minor States:						
Arizona	277	277	332	299	254	254
Florida	1,158	1,158	1,390	1,251	1,063	1,063
Illinois	24	24	29	26	22	22
North Carolina	46	46	55	50	43	43
South Carolina	3,445	3,445	4,134	3,721	3,163	3,163
Oklahoma	180	180	216	195	166	166
Tennessee	626	626	751	676	575	575
Total Minor	5,756	5,756	6,907	6,218	5,286	5,286
Unapportioned						
National Reserve	740	740	888	799	679	679
United States	2,000,502	2,000,502	2,400,602	2,160,542	1,836,461	1,836,461

Agricultural Stabilization and Conservation Service.



Table 7.--Rice, Milled U.S. No. 2: Average price per 100 pounds of Southern head rice at milling centers, by months, 1966-71

Class and year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average

1/ Prior to 1968 reported by variety (Bluebonnet). Beginning August 1968 reported only by class (Long Grain). 2/ Preliminary.  
3/ Mostly Noto.

Consumer and Marketing Service, Grain Division.

Table 8.--Rice: Monthly average price at Southwest Louisiana, 1966-71

Year beginning August	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average
	----- Dollars -----												
	Milled, Long-grain Second Head, per 100 pounds, bagged 1/												
1966	5.85	5.75	5.75	5.75	5.75	5.75	5.75	5.95	6.00	6.00	6.00	6.00	5.85
1967	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1968	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1969	6.00	5.95	5.75	5.75	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80
1970 2/	5.80	5.80	5.90	5.90	5.90	5.90	5.95						
	Milled, medium-grain Second Head, per 100 pounds, bagged 1/												
1966	5.85	5.75	5.75	5.75	5.75	5.75	5.75	5.95	6.00	6.00	6.00	6.00	5.85
1967	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1968	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
1969	6.00	5.95	5.75	5.75	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80
1970 2/	5.80	5.80	5.90	5.90	5.90	5.90	5.95						
	Rice Bran, f.o.b. mills, per ton 3/												
1966	38.00	38.30	39.10	43.25	47.75	47.70	46.25	42.25	35.50	34.40	40.25	40.20	41.10
1967	39.75	31.75	34.00	34.00	36.90	38.60	32.70	31.50	31.00	30.00	30.60	31.00	33.50
1968	32.00	25.10	25.00	25.50	33.40	35.50	35.50	35.50	33.90	24.50	21.20	21.50	29.05
1969	22.50	24.30	30.00	32.75	35.50	39.00	39.50	34.10	30.50	27.50	28.50	28.50	31.05
1970 2/	28.75	33.40	35.00	41.40	47.00	48.00	45.40						
	Rice Millfeed, f.o.b. mills, per ton, bagged												
1966	17.40	18.00	18.10	19.50	22.15	23.60	23.65	19.90	16.90	17.20	17.00	17.00	19.20
1967	17.75	17.50	18.80	18.50	19.00	19.20	18.90	18.50	17.40	14.75	16.00	16.60	17.75
1968	17.00	16.30	15.50	15.75	17.50	18.00	19.50	21.00	19.90	15.50	15.50	15.50	17.25
1969	15.50	15.50	18.00	19.75	21.50	28.00	28.00	22.70	18.50	16.00	16.40	18.25	19.85
1970 2/	18.90	21.50	21.50	23.30	27.35	28.00	26.90						

1/ U.S. No. 4 or better at southern mills. 2/ Preliminary. 3/ Beginning July 1968, prices quoted as bulk. Prior to July 1968, prices are bagged.

Table 9.--Rice, rough: Price per 100 pounds received by farmers, by States, 1966-71 1/

Year beginning August	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average 2/
----- Dollars -----													
Arkansas													
1966	5.15	4.45	4.90	5.05	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	4.80
1967	5.00	4.80	5.30	5.20	5.20	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.12
1968	5.30	4.75	4.90	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.07
1969	5.20	4.75	5.00	5.30	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.32
1970 3/	5.20	4.90	5.30	5.40	5.40	5.30	5.30						5.20
Louisiana													
1966	4.60	4.70	4.90	5.00	5.10	5.10	5.10	5.00	5.00	5.10	5.10	4.90	4.80
1967	4.65	4.70	4.75	5.00	5.20	5.30	5.40	5.50	5.50	5.50	5.50	5.40	4.91
1968	4.80	4.75	4.85	5.00	5.00	4.95	5.10	4.85	4.80	4.65	4.55	4.40	4.83
1969	4.50	4.75	4.70	4.90	4.85	4.85	4.85	4.70	4.75	4.85	5.00	4.65	4.71
1970 3/	4.90	4.85	4.95	5.00	4.85	5.20	5.30						4.95
Mississippi													
1966	4.90	4.80	4.80	4.80	4.90	5.10	5.10	5.10	5.20	5.20	5.20	5.20	4.90
1967	---	5.20	5.40	5.20	5.20	5.40	5.30	5.40	5.40	5.30	5.40	5.50	5.34
1968	---	---	5.20	5.20	5.10	5.20	5.40	5.40	5.20	5.20	5.20	5.20	5.20
1969	5.20	4.90	5.20	5.30	5.30	5.40	5.20	5.40	5.30	5.30	5.30	5.30	5.27
1970 3/	5.30	5.20	5.20	5.20	5.20	5.20	5.20						5.30
Texas													
1966	5.40	5.00	5.00	5.00	5.10	5.20	5.20	5.20	5.20	5.20	5.20	5.00	5.10
1967	4.80	4.70	4.75	5.00	4.90	5.00	5.30	5.30	5.30	5.30	5.30	5.30	4.94
1968	5.30	5.10	5.00	5.10	4.60	4.30	4.30	4.30	4.30	4.50	---	4.40	4.97
1969	4.40	5.00	4.90	4.80	4.80	4.80	4.75	4.85	4.90	4.75	4.75	4.75	4.88
1970 3/	5.40	5.20	5.10	5.20	4.85	5.30	5.60						5.20

1/ Monthly State prices are weighted by estimated sales for the month.

2/ Include allowances for unredeemed loan and purchase agreement deliveries valued at the average rate.

3/ Preliminary.

Note: United States prices are shown in table 10.

Table 10.--Rice: Average price received by farmers and parity price, United States, 1966-71

Year beginning August	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average
----- Dollars -----													
Price per 100 pounds received by farmers for rough rice 1/													
1966 2/	5.03	4.86	5.03	5.02	5.12	5.16	5.15	5.13	5.13	5.18	5.17	5.04	4.95
1967	4.74	4.74	5.08	5.04	5.08	5.16	5.32	5.36	5.37	5.34	5.37	5.33	4.97
1968	5.06	4.92	5.03	5.09	4.92	4.72	4.84	4.80	4.78	4.90	4.80	4.50	5.00
1969	4.47	4.81	4.94	5.00	4.93	4.99	4.93	5.00	4.98	4.96	5.08	4.79	4.95
1970 3/	5.13	4.96	5.20	5.19	4.99	5.27	5.43						5.08
Parity price per 100 pounds, for rough rice													
1966	6.87	6.91	6.91	6.91	6.91	6.77	6.75	6.77	6.79	6.81	6.83	6.87	
1967	6.83	6.85	6.87	6.85	6.87	6.75	6.79	6.82	6.88	6.90	6.90	6.92	
1968	6.90	6.94	6.98	7.00	7.02	7.08	7.12	7.20	7.25	7.26	7.28	7.26	
1969	7.24	7.26	7.29	7.31	7.33	7.35	7.41	7.41	7.45	7.45	7.49	7.47	
1970 3/	7.47	7.55	7.56	7.58	7.60	7.58	7.66						

1/ Monthly State prices are weighted by estimated sales for the month. U.S. marketing-year prices are the result of weighting State season average prices, including an allowance for unredeemed loans, by estimated marketings.

2/ Beginning January 1966 California is excluded in the monthly averages but is included in the U.S. season average.

3/ Preliminary.

Table 11.--Rice (rough): Acreage, yield per acre and production in specified countries, average 1964-68, annual 1969-70 1/

Region and country	Acreage 2/			Yield			Production		
	Ave. 1964-68	1969	1970 3/	Ave. 1964-68	1969	1970 3/	Ave. 1964-68	1969	1970 3/
	1,000 acres			Pounds			1,000 metric tons		
<b>North America</b>									
Costa Rica	133	111	---	1,257	1,490	---	76	75	---
Cuba	135	361	316	1,437	1,252	2,274	88	205	326
Dominion Republic	194	257	---	1,841	1,673	---	162	195	---
El Salvador	51	27	17	2,222	2,695	3,631	51	33	28
Guatemala	30	35	---	1,455	1,575	---	20	25	---
Honduras	44	44	---	1,443	1,203	---	29	24	---
Mexico	383	432	494	2,119	1,878	1,473	368	368	330
Nicaragua	65	52	64	2,069	2,671	2,377	61	63	69
Panama	318	321	321	1,009	1,120	1,147	146	163	167
United States	1,974	2,128	1,810	4,336	4,291	4,660	3,882	4,141	3,826
Total 4/	3,327	3,769	3,466	3,235	3,096	3,219	4,883	5,292	5,060
<b>South America</b>									
Argentina	166	252	---	3,395	3,561	---	256	407	---
Bolivia	84	86	---	1,654	1,487	---	63	58	---
Brazil	10,790	---	---	1,368	---	---	6,696	---	---
Chile	69	62	---	2,447	2,489	---	77	70	---
Colombia	808	620	556	1,829	2,471	2,669	670	695	673
Ecuador	229	198	---	1,770	1,860	---	184	167	---
Guyana	300	279	301	1,718	1,383	1,743	234	175	238
Peru	217	180	---	3,678	2,756	---	362	225	---
Surinam	78	89	---	2,894	2,973	---	102	120	---
Uruguay	72	91	---	2,921	3,464	---	95	143	---
Venezuela	261	309	---	1,798	1,952	---	213	244	---
Other	41	49	49	2,129	2,610	2,610	40	58	58
Total 4/	13,115	13,578	12,401	1,511	1,488	1,529	8,991	9,162	8,601
<b>Europe</b>									
France	70	57	54	3,275	3,674	4,083	104	95	100
Italy	335	418	437	4,130	4,536	4,490	628	860	890
Total EC	405	474	492	3,983	4,442	4,436	732	955	990
Greece	52	49	41	4,257	4,634	4,248	100	103	79
Portugal	85	91	119	3,989	4,264	3,742	154	176	202
Spain	150	163	153	5,444	5,464	5,317	370	404	369
Total Western Europe	693	778	805	4,314	4,642	4,491	1,356	1,638	1,640
Bulgaria	30	32	35	3,013	3,307	3,527	41	48	56
Hungary	47	54	54	1,604	2,041	2,041	34	50	50
Romania	52	72	74	2,425	2,082	2,086	57	68	70
Yugoslavia	13	17	17	3,765	3,631	3,891	22	28	30
Total Eastern Europe	142	175	180	2,400	2,444	2,523	155	194	206
Total Europe	835	953	985	3,989	4,238	4,132	1,511	1,832	1,846
<b>U.S.S.R.</b>									
	611	806	840	2,500	3,009	3,150	693	1,100	1,200
<b>Africa</b>									
Chad	72	---	---	2,199	---	---	72	---	---
Congo-Kinshasa	130	151	---	1,113	1,898	---	66	130	---
Gambia	68	72	---	1,245	1,225	---	38	40	---
Ghana	95	126	---	975	1,312	---	42	75	---
Guinea	1,020	1,000	---	689	811	---	295	368	---
Ivory Coast	678	715	717	960	1,125	1,215	319	365	395
Liberia	595	---	---	568	---	---	153	---	---
Malagasy Republic	1,940	1,947	1,952	1,704	1,834	1,977	1,499	1,620	1,750
Mali	443	410	---	804	1,022	---	162	190	---
Morocco	12	22	15	4,777	4,610	4,409	26	46	30
Mozambique	252	---	---	1,312	---	---	150	---	---
Nigeria	530	500	600	1,610	1,706	1,870	387	387	509
Portuguese Guinea	114	---	---	1,625	---	---	84	---	---
Senegal	196	222	198	1,305	1,192	1,169	116	120	105
Sierra Leone	804	790	---	1,071	1,172	---	391	420	---
Tanzania	212	---	---	1,073	---	---	103	---	---
UAR-Egypt	1,151	1,186	1,161	4,041	4,751	4,679	2,110	2,556	2,464
Upper Volta	87	---	---	877	---	---	35	---	---
Total 4/	8,392	8,513	8,580	1,587	1,789	1,821	6,047	6,907	7,089
<b>Asia</b>									
Afghanistan	559	---	---	2,101	---	---	533	---	---
Burma	12,241	12,243	12,400	1,392	1,438	1,481	7,727	7,985	8,330
Cambodia	5,743	5,820	5,750	947	1,439	1,342	2,467	3,800	3,500
Ceylon	1,546	---	---	1,498	---	---	1,051	---	---
China, Rep of (Taiwan)	1,924	1,945	1,952	3,601	3,383	3,806	3,142	2,985	3,370
India	89,271	93,100	93,900	1,316	1,435	1,478	53,273	60,615	62,970
Indonesia	19,640	18,780	19,700	1,649	2,058	2,070	14,689	17,530	18,500
Iran	556	618	667	3,548	3,731	3,761	895	1,046	1,138
Iraq	716	---	---	1,219	---	---	396	---	---
Japan	8,061	8,090	7,222	4,556	4,770	4,930	16,660	17,505	16,150
Korea, Rep of	3,022	3,039	3,039	3,610	4,049	4,248	4,949	5,582	5,855
Laos	1,606	---	---	1,019	---	---	742	---	---
Malaysia	978	1,227	1,310	2,330	2,377	2,063	1,034	1,323	1,226
Nepal	2,764	---	---	1,747	---	---	2,191	---	---
Pakistan	26,897	29,363	---	1,493	1,597	---	18,214	21,265	---
Philippinea	7,927	7,690	7,660	1,177	1,500	1,511	4,233	5,233	5,250
Sabah	92	---	---	2,023	---	---	84	---	---
Sarawak	291	---	---	824	---	---	109	---	---
Thailand	15,861	18,740	18,780	1,605	1,578	1,585	11,548	13,410	13,500
Turkey (Europe-Asia)	126	148	136	3,111	2,979	3,112	178	200	192
Vietnam, South	5,842	5,980	6,225	1,766	1,886	2,019	4,679	5,115	5,700
Total 4/ 5/	205,664	214,880	216,765	1,595	1,738	1,762	148,792	169,375	173,294
<b>Oceania</b>									
Australia	72	92	---	6,277	6,788	---	205	305	---
Total	72	92	---	6,277	6,788	---	205	305	---
Total World 4/	232,022	242,598	243,137	1,626	1,763	1,790	171,121	193,973	197,395

1/ Crops harvested in the last half of the year shown are combined with crops harvested in the first half of the following year, i.e. August/July.

2/ Harvested area as far as possible. 3/ Preliminary. 4/ Estimated totals, include allowances for other producing countries not shown. 5/ Excluding Communist Asia (China, North Korea and North Vietnam).





Table 13.--Rice, milled: U.S. exports by country or area of destination, August-December, 1968-70

Country of destination	1968	1969 <u>1</u> / Cwt.	1970 <u>1</u> / Cwt.
Canada	517,423	463,394	442,322
Jamaica	140,908	195,158	169,978
United Kingdom	639,827	546,429	555,414
EEC	2,061,653	1,852,068	1,171,687
Israel	170,382	132,625	161,998
Kuwait	156,030	17,811	13,792
Saudi Arabia	664,258	707,058	670,335
Southern Yemen	133,499	124,489	37,484
South Vietnam	1,627,158	5,104,627	3,908,161
Indonesia	3,945,405	3,938,999	3,802,998
Republic of Korea	1,171,642	346	1,228,535
Hong Kong	8,565	163,045	191,509
Nansei and Nanpo Islands	465,816	156,745	624,856
Ivory Coast	7,879	4,024	15,381
Liberia	385,662	421,162	522,988
Republic of South Africa	675,372	835,447	570,038
Other	1,421,604	1,692,555	1,197,780
Total	14,193,083	16,355,982	15,285,256

1/ Preliminary.

Source: Rice Market News, Consumer and Marketing Service.

Table 14.--Rice, rough and milled: U.S. exports by country of destination, August-July, 1968 and 1969

Country of destination	1968/69	1969/70	Country of destination	1968/69	1969/70
	Cwt.			Cwt.	
<b>Rough Rice</b>			<b>Milled Rice cont'd</b>		
Canada	---	400	Asia		
Colombia	5,731	4,603	Aden	---	---
Costa Rica	---	---	Arabia Pen. States	60,313	33,408
Guatemala	1,729	1,420	Bahrain	48,887	3,116
Haiti	390	100	Hong Kong	252,678	249,951
Italy	---	---	India	1,776,980	473,135
Mexico	4,430	265	Indonesia	7,088,579	8,190,184
Nicaragua	1,900	2,200	Iran	377	2,614
Panama	310	40	Iraq	---	---
Venezuela	163,317	175,495	Israel	358,232	221,844
Other	10,789	41,340	Japan	47,946	44,950
Total rough	188,596	225,863	Jordan	15,414	7,523
			Kuwait	202,026	52,069
			Lebanon	12,880	12,338
<b>Milled Rice</b>			Malaysia	7,554	24,640
Western Hemisphere			Nansei & Nanpo Is.	1,350,385	268,336
Bahamas	103,134	107,084	Philippines	1,043	479
Barbados	---	15,680	Republic of Korea	10,964,727	4,110,900
Bermuda	5,764	5,957	Saudi Arabia	1,451,832	1,416,725
Bolivia	2,896	---	Singapore	131	447
British Honduras	5,000	26,256	Syrian Arab Republic	---	---
Canada	1,346,556	1,254,441	South Vietnam	4,188,133	12,678,638
Chile	262,270	130,891	Other	240,442	315,424
Colombia	---	---	Subtotal	28,068,559	28,106,721
Costa Rica	2,509	3,398	Oceania		
Cuba	---	---	Australia	29,493	19,840
Dominican Republic	13,529	---	Br. West Pacific Is.	130,112	154,393
Ecuador	---	---	Fr. Pacific Islands	57,532	54,776
El Salvador	458	933	New Zealand	18,940	31,711
French West Indies	49,383	28,255	Trust Terr. of Pac.	89,754	85,054
Guatemala	1,872	1,680	Other	155	187
Haiti	420	553	Subtotal	325,986	345,961
Honduras	661	1,441	Africa		
Jamaica	356,321	467,932	Angola	37,275	77,858
Leeward & Windward Is.	6,641	7,188	Br. East Africa	---	---
Mexico	2,282	3,147	Br. West Africa	---	---
Netherlands Antilles	83,430	92,131	Cameroon	15,514	1,712
Nicaragua	393	376	Congo	18,298	131,980
Panama	1,514	1,281	French Somaliland	---	---
Peru	1,000	650	Ghana	724,786	265,589
Trinidad & Tobago	100	45,709	Guinea	340,219	---
Venezuela	955	491	Ivory Coast	19,609	14,590
Other	8,254	903	Kenya	2,308	12,684
Subtotal	2,255,342	2,196,377	Liberia	721,043	1,060,604
Europe			Libya	23,375	23,459
Austria	13,812	3,674	Malawi	850	88
Belgium & Luxembourg	427,533	323,738	Mauritius	10,345	9,240
Cyprus	2,592	3,192	Mozambique	18,684	10,200
Denmark	29,673	30,797	Nigeria	98,457	1,135
France	488,185	547,060	O.W.A.F.	48,143	41,240
Finland	8,375	14,019	Rep. of So. Africa	1,451,533	1,763,666
Greece	78,443	62,393	Rhodesia	---	---
Iceland	12,340	12,116	Senegal	101,136	2,431
Ireland	15,406	16,083	Sierra Leone	7,673	16,878
Netherlands	1,140,104	886,329	Somali Republic	153,845	224,341
Norway	4,324	3,163	Tanzania	688	1,098
Poland	---	---	Tunisia	---	---
Portugal	16,057	14,269	U.A.R. (Egypt)	---	---
Sweden	80,481	72,796	Uganda	19,158	4,639
Switzerland	203,099	294,527	W. Portuguese Africa	171,118	18,730
Turkey	---	---	Zambia	18,816	33,113
United Kingdom	1,270,789	1,271,720	Other	80,618	50,555
USSR	---	---	Subtotal	4,083,491	3,765,830
West Germany	1,447,262	1,358,660	Total milled 1/	39,977,455	39,334,231
Other	5,602	4,806	Grand total, milled		
Subtotal	5,244,077	4,919,342	basis 1/	40,115,568	39,496,705

1/ No adjustment of brown and parboiled rice has been made; treated as milled rice. Totals do not reflect revisions issued in December by Census.

Consumer and Marketing Service, Grain Division.

Table 15.--Rice: Export prices at Thailand by months, white f.o.b.  
Bangkok, 1969-71 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
- - - - Dollars per metric ton - - -												
100% 1st. grade												
1969	192.60	192.60	199.68	198.90	205.80	212.16	213.00	205.05	201.12	199.80	200.40	192.96
1970	166.20	164.40	156.24	152.40	152.40	159.60	160.80	163.68	160.20	160.50	159.60	156.00
19712/	157.20	142.20										
100% 2nd. grade												
1969	187.50	186.00	192.48	191.70	198.60	204.96	205.80	195.60	193.92	192.60	193.20	185.84
1970	161.40	159.60	151.44	147.60	147.60	150.00	151.20	154.08	150.60	150.90	150.00	146.40
19712/	147.60	132.60										
5% broken												
1969	181.20	178.80	185.28	183.60	190.80	197.76	198.60	188.40	186.68	185.40	186.00	178.56
1970	154.20	151.20	143.04	139.20	139.20	141.60	142.80	145.68	142.20	142.50	141.60	138.00
19712/	139.20	125.10										

1/ Milled rice, includes export premium, export tax and cost of bags. Packed in bags of 100 kgs. net.

2/ Preliminary.

C&MS, Grain Division, from weekly Bulletins of San Francisco Market News.

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